

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997

From: "D.D. Todd" <dube3@n-link.com>

Subject: Re: 100V Chronicles: Chirp and the 00

Message-ID: <32F96356.5280@n-link.com>

Bill Sorsby wrote:

>

> I suspect that modern radios have reduced the 00's workload considerably.
> Like a Maytag repairman, 00's today may not find many technical problems to
> report. (Operating habits on 75 and 20 meters would be a different matter
> entirely, however.) I also suspect that the 00 must have been monitoring a
> QSO when I asked about chirp.
>

I got an 00 notice the first CW qso I worked with the G-77 transmitter. Same thing: chirp. I'm not knocking the 00s; they keep us honest and it's handy to know when your equipment is starting to get ragged. But I wonder if CW is the only thing they monitor? They could easily hand out a hundred or so a day on 80 and 75 for language alone.

73,

Dube Todd

K4DWW

dube3@n-link.com

--

Can there be greater blindness than to impute the crime
to the dagger and not to the hand that wields it?

-- Antonio Lopez de Santa Anna

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997

From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>

Subject: 32-S1 sold

Message-ID: <Pine.SUN.3.91.970205220143.24463A-100000@dot.w6bhz.calpoly.edu>

To let you know, the 'S1 is sold. Tnx for all comers. Cal.

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997

From: jproc@bellglobal.com

Subject: RE: 8068 Tube, Keithly HV supply

Message-ID: <Chameleon.4.01.2.970205222711.jproc@jproc.bellglobal.com>

>My question is: What is an 8068?

Richard,

Its a beam pentode used as a pass tube regulator. T12 bulb with cap.
Heater 6.3v at 900 ma. Plate - 3.5 kv 100 ma
I show no cross ref to it.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto, Ontario

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: 9R-59D/S ?? want one ?
Message-ID: <199702060507_MC2-10F1-66C2@compuserve.com>

I see someone was saying these were rare.

If anybody wants one, let me know. I see them often
and pass them by.

Ben G4BXD

MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Ho4bart@aol.com
Subject: ?? re HQ-160 vs. HQ-180 selectivity
Message-ID: <970206135405_882232467@emout20.mail.aol.com>

i am wondering what basically is the difference between the
160 and 180. is it only the number of conversions or what?
do these receivers tune slow enuff for ssb to be comfortable,
or not really? does the 160 have usb/lwb?
you might want to answer privately, not to whole net?

also: do you own a HQ-110? if so, i have one free
orig advertising brochure on this rec. add this to your
documentation. send paperaddress with request.
tnx, hue miller

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Stefan A Schulz <sas1757@tntech.edu>
Subject: Addendum to Arggh: R390A problems!
Message-ID: <Pine.PMDF.3.91.970205234656.539066789A-100000@tntech.edu>

[The previous description was from memory not fresh so here's the scoop.]

Well after VERY careful watching and tweaking, here are the real symptoms. The receiver works as it should on AGC (distorted but non-regenerative on max RF gain. I assume that's norm..?). The radio will regenerate at about 7.5 to 8 on MGC using RF gain. If you turn the gain control further, the regeneration quits and the audio level drops slightly. I assume with MGC, the audio distortion and level drop is norm but I have never heard of regeneration. Here's the nitty gritty.

Internal gain: full
Function: MGC
RF gain: 6-8; 6 near regen point. 8 at regen
BFO off
CAL on
Bandwidth: any
Diode load voltage at RF gain 6 near 1.6V
Diode load voltage at RF gain 8 near 3.5V

Changing the internal gain control does help but I lose sensitivity bad. With it turned all the way down, the RF control peaks the signal but no regen. The deal with the neutralizing capacitor was due to the fact that the BFO was on! so that's taken out of the loop (so I think). I get good selectivity on 1/.1 but the phasing cap does nothing much. Oh well, any help welcome

Stefan Schulz
Tennessee Tech Univ
Cookeville Tn 38505
SAS1757@gemini.tntech.edu

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Jeffrey Herman <jeffreyh@hawaii.edu>
Subject: Re: AM on 160m
Message-ID: <Pine.GSO.3.93.970205215634.4910A-100000@uhunix3>

Andy had some harsh words for 160m bandplans. His comments shouldn't have gone to the BA list, though - this is a topic that originated on the Glowbugs list. Someone on GB said surplus computer xtals for 1843

kc were easily available and wondered about using them for AM QRP; I took the idea over to the 160m email list to see how those folks felt. So far, in about 12 hours time, I've received about 50 emails from the guys on the 160m list - all of them have said that AM close to the European DX window would be a very bad idea. It's apparent there is almost universal respect for the voluntary bandplan amongst those who eat and breath 160m. Andy took one of the emails addressed to me (to which I had forwarded to the GB list) and for some odd reason made you folks read it. Please accept my apology for getting you folks mixed up in this. (Andy! you bugger!)

Jeff KH2PZ

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: Michael Hanz <AAFRadio@erols.com>
Subject: ART-13 question
Message-ID: <32FA175B.6A12@erols.com>

On Wed, 5 Feb 1997, J P Taillebois wrote:

> all of the tubes filaments came on and the autotune motor started and moved
> the knobs in different positions(interesting to watch). I was able to get the
> autotune to respond to various settings and then no more with the electric
> motor becoming very hot.

If Barry will ever get around to printing the dynamotor restoration article I sent to ER last fall, maybe these disheartening surprises would become less frequent. Briefly, most of the lighter hydrocarbons have evaporated from 40 or 50 year old grease, and they are the ones most needed to maintain the lubricating film. If you haven't damaged the motor armature (did you smell anything burning?), it's a good bet that a few drops of oil in each bearing will free it up to working condition once again. I normally use Mobil 1. ALWAYS check the grease before you run up an old dynamotor, autotune, or fan motor. It might save you a lot of grief later on.

--
Mike Hanz KC4TOS
Herndon, VA
AAFRadio@erols.com

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: BA/GB Net Funnies for the Weekend.....
Message-ID: <9702062231.AA145839@csemail.cropsci.ncsu.edu>

I will be a 'waitin' all ye fine Boatanchorites and Glowebuggites on the 3579 QRG this weekend. The weather is a bit warmer so top band is probably less than optimal. Let's hear all those fine little peanut whistles, rehashed arcusfivies, breadboardus glowbottlies, an' standard firebottle riggies cut some holes in de ol' ether this fine weekend. Anytime after dark to mebbie 0700Z or so should be fine, although the usual QTR is 0200-0300Z. Remember the QRP folks are running their sprint 0200-0300Z on thursdays the next month or so, thus on thursday nights try after 0300Z.

Calls ye atop the hour, or at any time wats be convenient, thusly....

CQ BA CQ BA DE yourcall yourcall K

an keeps a sharp ear out fer a fine reply.....

....Aye, mateys, a'grapples ye up yer tin cans atop yer noggins, fires ye up yer fine glowbottles, an' a'readys ye yer keys at the fore, the band, she be good, an' tha regeneration be on the ragged edge!

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Engbert Oord <engbert.oord@jet.uk>
Subject: Belling Lee type L506
Message-ID: <9702061057.AA22498@jet.uk>

Wanted : The power supply socket for my Marconi Electra marine receiver. This is a Belling Lee type L506. Does anybody have one spare or knows of a place where they can be bought.

Thanks

Engbert Oord , G7THB
JET Joint European Torus, Culham ,UK
Email : eo@jet.uk or engbert.oord@jet.uk

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Ho4bart@aol.com
Subject: Re: Canadian #19 Set HAM Net.....
Message-ID: <970206131756_683165291@emout04.mail.aol.com>

In a message dated 97-02-05 00:52:33 EST, jproc@bellglobal.com writes:

<< Several years ago, an unopened 19 set was discovered at the Gananoque Light >>

no doubt there are still a few new unused sets stuffed away here in the states too.
after all, they were even peddled by newspapers and department stores here! hue miller

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Collins 62S-1
Message-ID: <Pine.GS0.3.95L.970206075542.3601B-100000@unixs2.cis.pitt.edu>

Would those who own a 62S-1, please post your serial number. Mine is 10767, which I suppose (excluding the 10) is serial number 767. Curious as to the production run of these units. My unit is a winged emblem. Are there any round emblem units out there?

Thank you.

Dave, W3BJZ
Publisher of the monthly Collins Journal

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: "Gary F. Franklin" <103273.1070@CompuServe.COM>
Subject: RE: Collins 62S-1
Message-ID: <970207002333_103273.1070_IHH64-1@CompuServe.COM>

My 62S-1 is serial # 10408....Winged emblem..... I understand that Collins only made approximately 160 of these units. It will be interesting to get a little history on this unusual piece of Collins equipment.

Gary K8BKB

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: arc5@ix.netcom.com (David Stinson)
Subject: COMMAND SET VOLTAGE/CURRENT/TUBE PINS
Message-ID: <199702061808.KAA27803@dfw-ix6.ix.netcom.com>

Proper voltages and currents for a design-spec-
operating ATA, AN/ARC-5 or SCR-274N transmitter,
CW mode, 3.5 MC, key-down under full load
into a properly-matched antenna. A proper
dummy load for this test is a 100 PF 3KV
capacitor in series with a high-wattage
5-ohm non-inductive resistor to ground.
Your mileage will vary:

PA Plates: 530 VDC at 150 ma.
PA Screens: 260 VDC at 15 ma.
PA Grids: -50 VDC at 3.5 ma.
Osc. Plate: 200 VDC at 20 ma.
Filiment: 26 VDC at 2 amps.
Design-rated output power for CW: 35-40 watts.

Tube Pin Voltage Chart

	1626	1629	Cal.	1625	1625
Pin	Osc	Eye	Crystal	PA #1	PA #2
1	--	0	0	12	24
2	12	24	--	530	--
3	200	50	0	260	260
4	200	130	--	-50	-50
5	**	0	-50	260	530
6	--	200	--	0	0
7	0	12	0	0	14
8	0	6.5	0	--	--
Plate					
Cap feed ***:				530	530

** Osc. grid. Measure will kill oscillation.
*** Don't put your meter directly on the plate cap!
ZZZZZZZZOT!

Note:

Expect a little chirp in an MOPA rig, especially
a 40 meter TX (although I have two with no whoop).
If you have problems getting proper grid drive
or the unit "whoops" excessively, the first
thing to check is that 3-banger .05 bathtub

cap under the rear chassis skirt. Leakage in this cap will pull the oscillator and foul-up PA grid bias.

Chirp can also result from cruddies and corrosion in the link-output and roller coil assembly. The crud on the turns heats-up and changes the output loading, which pulls the MO off freq. Disassemble and clean all these with a good silver polish and *rinse*. Don't don't DON'T use emory cloth or sandpaper or any other harsh abrasive! If silver polish won't clean that antenna roller coil, you need to find a junker to replace it. Don't forget to clean the rotating contacts where the link feeds out of the tank coil.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: arc5@ix.netcom.com (David Stinson)
Subject: COMMAND SET VOLTAGE/CURRENT/TUBE PINS CHART
Message-ID: <199702062003.MAA07024@dfw-ix5.ix.netcom.com>

Proper voltages and currents for a design-spec-operating ATA, AN/ARC-5 or SCR-274N transmitter, CW mode, 3.5 MC, key-down under full load into a properly-matched antenna. A proper dummy load for this test is a 100 PF 3KV capacitor in series with a high-wattage 5-ohm non-inductive resistor to ground. Your mileage will vary:

PA Plates: 530 VDC at 150 ma.
PA Screens: 260 VDC at 15 ma.
PA Grids: -50 VDC at 3.5 ma.
Osc. Plate: 200 VDC at 20 ma.
Filiment: 26 VDC at 2 amps.
Design-rated output power for CW: 35-40 watts.

Tube Pin Voltage Chart

	1626	1629	Cal.	1625	1625
Pin	Osc	Eye	Crystal	PA #1	PA #2
1	--	0	0	12	24
2	12	24	--	530	--
3	200	50	0	260	260

4	200	130	--	-50	-50
5	**	0	-50	260	530
6	--	200	--	0	0
7	0	12	0	0	14
8	0	6.5	0	--	--

Plate

Cap feed ***: 530 530

** Osc. grid. Measure will kill oscillation.

*** Don't put your meter directly on the plate cap!

ZZZZZZZZOT!

Note:

Expect a little chirp in an MOPA rig, especially a 40 meter TX (although I have two with no whoop). If you have problems getting proper grid drive or the unit "whoops" excessively, the first thing to check is that 3-banger .05 bathtub cap under the rear chassis skirt. Leakage in this cap will pull the oscillator and foul-up PA grid bias.

Chirp can also result from cruddies and corrosion in the link-output and roller coil assembly. The crud on the turns heats-up and changes the output loading, which pulls the MO off freq. Disassemble and clean all these with a good silver polish and *rinse*. Don't don't DON'T use emory cloth or sandpaper or any other harsh abrasive! If silver polish won't clean that antenna roller coil, you need to find a junker to replace it. Don't forget to clean the rotating contacts where the link feeds out of the tank coil.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997

From: jproc@bellglobal.com

Subject: RE: Crystal Reference

Message-ID: <Chameleon.4.01.2.970205225303.jproc@jproc.bellglobal.com>

Rich,

Download the MILITARY.CRYSTAL file in the BA archives for starters.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Subject: Drake R4C mods.
Message-ID: <42166.owen@piper.eeel.nist.gov>

From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Tue, 4 Feb 1997 10:32:55 -0500 (EST)
Over the last couple of weeks several list members have requested the
address of the suppliers of the R4C mods. However I don't remember which
list so I'll send to both BA and DRAKE.

Sherwood Engineering Inc.
1268 South Ogden St.
Denver, CO 80210
303-722-2257
FAX 303 744-8876

International Radio & Computer, Inc
751 S. Macedo Blvd.
Port St. Lucie, FL 34983
407 879-6868
FAX 407 878-8856
Sells the Fax-Tango IF filters

73 Jim K4CGY

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: "Bill Richarz" <wricharz@transprt.com>
Subject: DX-60 & DX-60B
Message-ID: <19970206131507.038013a2.in@transprt.com>

Thanks to the many that replied to my post concerning
the difference in the 2 transmitters. One of those
was my novice station & I beleive it is the plain one
with the Internal meter.

Thanks to all,

de Bill, N4DH

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: 4CX250B@miavx1.acs.muohio.edu
Subject: Eddystone receivers question
Message-ID: <v03007802af2063e061cb@[134.53.5.143]>

Hi Gang,

I spent a year in England in 1969, where I operated as G5APG with a KWM-2. During that year I saw several Eddystone receivers, many of which struck me as quite impressive. I'd like now to try and find one or two of the best of the Eddystone line, but have virtually no information on them. Anybody care to elucidate me, or tell me how I might go about looking for one?

73,

Jim Garland W8ZR

P.S. While in England, I picked up a wonderful Eddystone grid dip meter (actually a gate dip meter, since it used a FET), in a wooden box, which I use to this day. Also got one of those slick Eddystone dials, which I used for a homebrew receiver back in the early 70's.

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Jack Ray <k4mzw@akorn.net>
Subject: Estate Find?
Message-ID: <32F95A60.52EB@akorn.net>

Hi Gang;

Would anyone know the value and relative popularity/collectability of a Signal One Mil Spec 1030 Transmitter? I have had an inquiry about this one and I am only slightly familiar with the piece.

Regards..... Jack

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: "Walt Novinger" <waltn@earthlink.net>
Subject: FS Test Equipment, Receivers, Audio gear
Message-ID: <199702070114.RAA03498@belize.it.earthlink.net>

The following items from our collection of old receivers and test equipment are reluctantly being made available to clear space. Descriptions refer to cosmetic/physical condition. Most items have been tested and work; some

receivers have been recapped and aligned. Write or call (403.241.6095 evenings/weekends between 0700 and 2200 MST, please) for specific details. All prices in US\$, plus shipping from Calgary, Alberta Canada.

TEST EQUIPMENT

Universal Avometer, Model 8 MK III w/working instructions on back, very good to exc. condition (protective breaker inoperative), \$65

Hickok Model 288X Universal Crystal Controlled Signal Generator w/cabinet, very good to exc. condition (one escutcheon broken) with copy of manual, \$75

Seco VT Grid Circuit Tester Model GCT-8 very good to excellent condition, \$35

Seco VT Grid Circuit Tester Model GCT-9, fair condition, \$5

Phastron Model 777 VTVM, excellent condition, \$15

Simpson Genescope Model 480 for FM-TV, very good to exc. condition, \$70

Singer (Panoramic) MF-5/VR-4 Spectrum Analyzer with documentation, \$125

Solar Model CBB, Type 2U capacitor checker w/wood case and leather strap and brass-like key closure, \$65

Supreme Model 333 Deluxe Analyzer w/cord and cables in wood case, good condition, \$85

RADIO EQUIPMENT

B&W Model 370 Single Sideband Adapter, \$65

E.H. Scott speaker (matches SLR series), \$95

Hallicrafters S-19R Sky Buddy receiver, very good to exc. condition, \$125

Hallicrafters S-38B receiver, very good to exc. condition, \$85

Hallicrafters SX-42 receiver w/R-42 speaker, very good to exc. condition, \$340

Hallicrafters R-46B speaker, fair to good condition, \$45

Hammarlund S-200 speaker (typically paired with HQ-180) very good condition, \$85

RME 45B receiver with matching speaker, very good to exc. condition, \$185

Sony Esaki Diode 11 Transistor FM/AM, Exc. condition w/black case and strap, \$100

AUDIO EQUIPMENT

JBL D-130 15" speaker, excellent condition \$150

Macintosh C-8 Preamp, good condition, \$65

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
waltn@earthlink.net	wnovinger@shl.com CI\$: 73348,2015

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: km1h@juno.com
Subject: FS: 304TL NIB
Message-ID: <19970206.093805.9887.4.km1h@juno.com>

The box is a bit beat but the tube still hanging in the original rubber cradle.
Make an offer.....

73.....Carl KM1H

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: Robert Fowle <hammarlund@jacksonmi.com>
Subject: fs: Arco 304M ceramic trimmer caps...& manuals
Message-ID: <32FA43D9.4BEB@jacksonmi.com>

fs: N.O.S. Arco 304M ceramic trimmer caps.. 100-550pf.
48 for \$40 shipped
that just about sums it up...8-)
then, there gone...

many manuals available..email me, or visit my web page

--

**** Visit my Web Page.....****

=====] -[->

Robert Fowle KC8DBC

1215 Winifred
Jackson, Mich. 49202-1946
Ph. 517-789-6721
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>

NOW... BOATANCHORS Conference!
talk, buy-sell-trade all in one place!
Moderator: Robert Fowle
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: stuff !
Message-ID: <61c_9702052107@gigo.com>

hello ba people the following items are for sale or trade.
i am looking for gonsets ! (no two meter am please !)

1. heath it12 signal tracer works good and in good shape. magic eye tube (bright/no burns) ! speaker ! audio/rf probe ! \$20
2. general radio vs4 tube cb transceiver. good condition but dirty. with original mic, power cord and mobile mounting bracket. 5 ch xtal control. w/ "bullhorn" switch. ac/dc w/xtals untested \$20
3. rca mark nine tube cb transceiver. good condition. rx vfo or xtal control. no mic. w/power cord. sleek low profile design. 110vac or 12vdc operation. w/xtals untested \$20
4. transpace c27a tube cb transceiver. in good condition with a very bee-ute-tee-ful front panel ! no mic, power cord or bottom cover. xtal control w/xtals untested \$15
5. knight 2565 tube cb transceiver. 23 channel xtal controled. in good condition but missing s-meter and knobs. no mic but with power cord. 110vac or 12vdc operation. untested ! \$15
6. two rca 811a nos transmitting tubes in boxes ! pair \$30

do not be shy with offers or trades located in sacramento 73 tom

--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: avidov@juno.com (abe nutkis)
Subject: H & R Surplus of Phila
Message-ID: <19970205.072557.3654.0.avidov@juno.com>

I think the correct name is Herbach & Rademan which has a Camden,NJ

address and a Philly phone No.: 1-215-425-8870. They used to issue a very good monthly sales bulletin at mostly decent prices.

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: oranges@FRB.GOV
Subject: Re: H & R Surplus of Philadelphia?
Message-ID: <2fa369f0@cclink.frb.gov>

Hello BAers,

Am looking at the catalog 1-97 as I write this
They announce that they are moving, the new address is
H&R Company or
Herbach & Rademan Co.
16 Roland Ave.
Mt. Laurel NJ 08054
office phone 609-802-0422
Order phone 1-800-848-8001
Web site of <http://www.herbach.com>

Ps; I am looking for AWA review 4 and 5
email me
Fred Bohner Arlington, VA.

Email address is oranges@frb.gov
MESSAGE FOR PERSONAL USE NOT OFFICIAL USE

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Stefan A Schulz <sas1757@tntech.edu>
Subject: Help!!! R390A problems! again Arggh!
Message-ID: <Pine.PMDF.3.91.970205221803.539091319A-100000@tntech.edu>

'390a' wizards,

Conard Murray and I worked on the AF deck and got it working right. He also helped me undo some very nasty soldering done in the Mech filters. I reinstalled the decks and something new cropped up. There are certain positions on RF gain control knob that cause the rig to howl. In MGC and sometimes in AGC modes. I have tried to lower the internal gain but it does not seem to help. I have noticed that toying with the BFO neutralizing capacitor does change what setting the regeneration occurs on the RF gain control. Also, on Conard's '390a' he could play with the phasing capacitor on the xtal filter and change how the rig filters on .1/1. On my rig, it does barely anything. If anybody might have any

saving tips for us, We would appreciate it.

Stefan

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: John Shriver <jas@shiva.com>
Subject: Re: Herbach & Rademan
Message-ID: <199702061423.JAA16614@shiva-dev.shiva.com>

Herbach & Rademan's specialty is mechanical stuff. Solenoids, motors (induction, synchronous, gearhead, stepper), synchros, pumps, relays, etc. Just got a catalog, almost nothing radio related. Well, some radiosondes (solid state).

They also appear to have sidelines in new stuff, like BSR X10, and home security.

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: John Roccaro <jroccaro@chesco.com>
Subject: HQ140-X HQ129-X Prices?
Message-ID: <Pine.BSI.3.91.970206153507.18953A-100000@carriage.chesco.com>

What's reasonable price to ask/buy, assuming normal wear?

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: HQ140-X HQ129-X Prices?
Message-ID: <32FA4932.355@ghg.net>

John Roccaro wrote:

>

> What's reasonable price to ask/buy, assuming normal wear?

I've seen HQ-129-X's for sale on the net for around \$100 to \$150 in okay to good condition...

About two or three months ago I put my HQ-140-XA up for sale(it is in good working order, very good cosmetic shape with only finger wear on the bandspread area of the front panel, including original manual and original matching speaker) for \$260 plus shipping and not a soul responded... So I guess \$260 plus shipping is a high price for HQ-140-XA's...

That is the only data points I have...

73,
Ben

--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.
E-mail: BDHall@GHG.net (home) -or- Benjamin.D.Hall1@JSC.NASA.GOV

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: okasb@rex.mtv.gtegsc.com (Bob Okas)
Subject: Re: HQ140-X HQ129-X Prices?
Message-ID: <9702062304.AA01832@rex.mtv.gtegsc.com>

Hi folks,

After replacing a dried out filter cap in a friend's '140, I just had to have one myself. I did manage to pick one up about 3 years ago for \$130. The front panel was easily a 9.5 and the case was an 8 with minor scratches. Functionally, the only problem was some backlash in the friction drive mechanism. Electrically, a solid 9+. Also included was a copy of the manual. Overall, I'm pleased with the performance. The audio sounds especially good when connected to an AR-4a speaker!

My 2 sheckles worth,
Bob - W3CD

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: J P Taillebois <jpt1@idirect.com>
Subject: HR0-50-t
Message-ID: <199702052210.RAA27377@relief.idirect.com>

What would a good HR0-50-t be worth, no speaker 5 coils set.?

73

----- VE3JPT VE3JPT VE3JPT

Jean Paul Taillebois Interest:
Hallicrafter, Gonset, Johnson, Collins, Military radios and
996 Greenlane Court books.
Oshawa Ontario Canada
L1K-2C6
voice: 905 723 1811

paket:ve3jpt@ve3hqr

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: HRO-50-t
Message-ID: <199702061549.KAA10180@server1.ils.net>

At 09:11 PM 2/5/97 -0600, J P Taillebois wrote:
>What would a good HRO-50-t be worth, no speaker 5 coils set.?
>
I am not familiar with the HRO series receivers so I really don't know what they are worth.
..Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Keying a Valiant - a shocking experience!
Message-ID: <v03007801af2030e2d6d1@[134.53.65.12]>

Having been zapped a few times, recently, tonight I measured the open circuit voltage across the old Vibroplex on my Valiant. I measured 265 V. Checking the manual, I think it's normal, but I'm not completely sure. My Ranger 2 only measured 56V. I'm surprised the Valiant is such a shocker.

Jim

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: "Gary F. Franklin" <103273.1070@CompuServe.COM>
Subject: Land/Air Communications
Message-ID: <970207002820_103273.1070_IHH64-2@CompuServe.COM>

Thanks to all to responded to my inquiry on Land / Air communications.... Every response was positive! Looks like I'll be sending my 62S-1 to Hal for tender loving care!

Thanks

Gary K8BKB

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: joelutz@juno.com (Joseph W Lutz)
Subject: Misc FS or Trade
Message-ID: <19970207.022949.2870.0.JOELUTZ@juno.com>

Following tubes are NOS except where noted:

4CX1500B EIMAC (6) - \$260.00/ea shipped
JAN 8168 - (1) NOS - (1) USED - Make offer/trade?
8117 Amperex - (2) NOS - Make offer/trade?
8117A Amperex - (2) NOS - (1) USED - Make offer/trade?
8122 RCA - (4) NOS - \$100/ea shipped

- - - - - Misc material - - - - -

(1) I-PG-43 Base Assembly (Whip Antenna Base/Fixed) - NEW - \$20. +
Shipping

(1) Model DMS-1A-1 Distortion Measuring Set (By Atlantic Research Corp) -
- - ((to measure the distortion on the line for 37.5 to 74.2 baud rty
signals. - Make offer/trade?

(1) Fluke 8000A Digital Multimeter - (Think I can find the probes) - Make
offer/trade?

(1) HP 3400A RMS VOLTMETER - Make offer/trade?

(1) IDS MODEL 1320 TDM-MODEM TEST SET - Make offer/trade?

- - - - - Misc equipment - - - -

(1) Hallicrafters HT-37 W/Manual - ((Have replaced it with a HT-32)) -
\$100./Plus shipping.

(1) Globe Sidebander DSB-100 W/repro manual - got in trade, but really
don't collect Globe. - Get on AM with this!!! - Make offer/trade.

Also have a Motorola Sabre Base Station w/power supply and Manual - if
anyone interested in it (plus HT's/pagers/chargers & accessories) - let
me know.

- - - - - Misc Manuals (Originals) - - - -

TM11-666 - Antennas and Radio Propagation - Dept of Army Feb
1953 - \$10/Shipped.

Philco - Training Manual on Antennas - Volume I - (Theory/Construction)
- 1956 - \$10/Shipped.

The ARRL Antenna Book - 1984 - \$7/Shipped

Instruction Manual Model 1251 Display Unit - Frederick Electronics Corp -
Make offer

Instruction Manual Model 1200 FSK Demodulator - Frederick Electronics
Corp - Make offer

Instruction Manual Model 1273/S-1FSK Keyer/Demodulator - Frederick
Electronics Corp - (2) - Make offer

Economy Spectrum Analyzer Operation (Designed for HP-IB Systems) -
Hewlett Packard - August 1982 - Make offer

TM 11-5820-359-35 Field and Depot Maintenance Manual Radio Receiver
R-390A/URR - Dept of Army 8 Dec 1961 - \$35/Shipped (1st Class).

ARRL Handbook 1985 - \$10/Shipped.

Basic Mathematics for Electronics - 2nd Edition - Nelson M. Cooke -
\$6/Shipped

- - - - -

That's it for awhile - have to help pay for my 'BA' addiction. I also
have to get some room to move around so I can work on the units I have.

73 de JOE

- - - - - W7LPP/4 (NNN0KU) - - - - -
- - -

QWCA - NCVA - SOWP - FISTS

Gordonsville, Va 22942 (Orange County)

WTB: EFJ Adventurer, Heathkit Mobile 'Twins' (MR/MT or HR/HX)

- - - - -
- - - - -

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997

From: Mike Toneri <toneri@ils.net>

Subject: More BA's for sale on packet
Message-ID: <199702062356.SAA17063@server1.ils.net>

Here are a few more from packet:

DX100 + manual + extra tubes \$150 - Bob WA2MRZ 716-652-7304

Hallicrafters Tornado (very rare) + matchin speaker.power supply + manual in
very good to exc condx - \$250 shipped - Rich WA2RQY 516-798-1230

Globe Deluxe VFO 6M - 160M - any reasonable offer - Marion KG0SE - e-mail
marionc@juno.com

Globe King 500 - \$500 - N5SUM Harold 505-439-8109

73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: dfrancis@access.usa.net (Dexter Francis)
Subject: Name/Phone# of Hickock guy???
Message-ID: <v01520d02af1fe54aeb48@[207.0.57.74]>

Last summer one of the list members forwarded to me the name and phone
number of a fellow back east who is the unofficial Hickock man. (Has
parts/manuals etc.) I've lost it! Can someone here help refresh my poor
digitally corrupted memory?

-df

* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 *
* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: Need 6BY5-GA tube

Message-ID: <199702061549.KAA10177@server1.ils.net>

At 07:33 PM 2/5/97 -0600, J P Taillebois wrote:

>Let me know if you have

I think Globe Electronics in Toronto has at least 1 of those tubes at \$12 each.

..Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997

From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>

Subject: Need legal opinion on BA kit

Message-ID: <Pine.SUN.3.91.970206075753.24644A-100000@dot.w6bhz.calpoly.edu>

Hi folks:

Several months ago, I advertised that I was about to produce a kit for the Ranger and Ranger 2 PTT. However, after thinking about the design and possible scenario of some joker shocking himself and suing me for product liability, I decided not to execute and abandon the project. So, I'm stuck with about 30 110VDC relays and will probably sell them off. But this is the point:

I intended to make an adaption of the Johnson design by incorporating the 110VDC relay I found from a supplier except that the voltage divider shown in the circuit would be geared to that relay I found. But tracing the circuit back to the 2-pin connector, it wouldn't be hard for someone to put a probe on pin #2 and get about 110 VDC worth of shock. I don't like the idea of someone's kid going behind a BA rig either. Seems unsettling. What do you think? Cal. P.S. Sorry, Jack, but this looks like a valid BA question so I hope you don't find it non-sequitur to the net.

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997

From: BOB/WB0AUQ <brainbol@idir.net>

Subject: Re: Need legal opinion on BA kit

Message-ID: <32FA81E4.6E4B@idir.net>

Rather than keying a 110vdc relay thru the mic PTT, a lot of us have used lower voltages to do the same thing. Pick off 6.3vac from dial lamp, thru a diode and large cap (440uf). You get something over 9vdc which I have found will reliably pull in a 12vdc Radio Shack DPDT relay. Circuit is working fine on both my Ranger II and Apache.

Regards,

Bob/WB0AUQ/brainbol@idir.net

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Bill Moore <bill_moore@mevatec.com>
Subject: Need Philco 70 or 71 tube shield
Message-ID: <970206.160037@mevatec.com>

	Subject:	Time:3:57 PM
OFFICE MEMO	Need Philco 70 or 71 tube shield	Date:2/6/97
Any help would be appreciated, will buy or trade for one. thanks		

Bill

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: re: new Freq Allocations
Message-ID: <19970207021647.AAA18972@LOCALNAME>

At 11:21 PM 2/6/97 +0000, you wrote:

>>de KD1JV Steve in NH:

>> Unless we get flooded with cheap radios.....

>

>Steve - there is where I think we'd have the trouble. The commercial
>manufacturers would see a HUGE gold mine here. Look how many CB radios
>have been built and sold in the past 20 years. The radio manufacturers
>would put on a giant advertising barrage. They would tout "world wide"
>communications can be yours without the need for a license. All ya gotta
>do is pay \$20 for the certificate and we'll sell you a \$200 radio and
>you're on the air.

>

>The cost of our current equipment is priced the way it is because of
>the law of supply & demand. Not too many folks buy these radios because
>they currently have to study & get a license. But, there are lots of
>CB rigs out there. Why? Because anyone can get on CB without knowing
>CW or any electronics at all. If the demand for rigs suddenly shoots
>off the charts, there would be so much competition for equipment, the
>manufacturers would be selling them like hot cakes. With that happening,
>major price slashing would start. The manufacturers could now afford
>to do that, as they would be selling a whole lot more radios and their
>profit margin would change drastically.

>

>Just my opinion.....

>

>(I'm outta here to go buy a new flame suit!!!)

>

Jeese! Let's hope not! If "HF" becomes like the citizen's band became, it will be for all practical purposes, useless!

I remember when us hams lost 11 meters and 27 Mhz CB began. You could work stations all over town with the little 5 watters, and it became a fun radio for those who didn't want or couldn't pass the amateur tests.

As soon as the population increased to gigantic proportions, there was so much "white noise" generated by so many rigs on the air, I became hard to communicate a couple of miles with the same setup! I shudder to think of it on 75/40/20 meters!

We should have a "preview" of what will happen if 10 meters ever opens up again and sales of those rigs "boom" again in the "no-code" segments. Then we will know what we are in for if the lower bands are invaded.

Just my 2 cents worth.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

Butternut HF2V antenna, G-R test gear.....

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997

From: rdkeys@csemail.cropsci.ncsu.edu

Subject: NEWSFLASH - New ARC-5 Vfo Competes with SandBoxen Models

Message-ID: <9702061843.AA145156@csemail.cropsci.ncsu.edu>

Newsflash, eh,.....(:+{}..... thought that would catch yer eyeballes.

Whilst parting out an old raunchy and downright junker arcusfivus that was dropped before I got it (or run over by a truck), and after diligently trying to recover all those fine little plastic marbles that are used for capacitor insulators, I was left with a hulk that was mostly an oscillator section, the amplifier tube socets, and little else. Pondering the ol' hulke, as if it were the infamous skull in MacBeth...., I figured, what the heck, I should try to make a vfo out of the whacked beastie.

The beastie was the 4.0-5.3 model, so immediately the undercan oscillator capacitor and its underchassis brother were re-bb'd (alas the rest of the bb's were long lost, but enough were recovered to rebuild those two osc capacitors), and the padder tuned to max capacity to drop her into 80M.

With some trepidation, and a lot of scrounging through the bilgewaterboxes

for something resembling a coupling capacitor of a few hundred pf, and a handful of the usual ratshack 24 inch alligator clippileades, I did stoke up the ol' oscillation section with a 12v battery and a 150v bench supply. Lo, and behold, it stille worketh. Smile....., and wouldst it driveth forthe with great ether emanations suffient to drive a HW-19, or even the infamous SRT.....no, not quite. Only about 1/4 volt of rf, stably.....hmmmm, hmmmm, hmmmm, those 1625 sockets are still there, why not drop in one and couple out the plate off the rf choke to drive the rigs. The cathode was wired to ground for keying and the plate power was keyed. Yes, it worked, with about 5 volts rf at 48 volts on the plates of the oscillator and the 1625. Alas, its high impedance was enough to cause the xtal oscillator and the SRT to talley ho on their owne chosen frequencies. Decoupling to low impedance with a capacitive divider of the rf choke of the 1625, and still wanderingoscillationcity it were. Hmmmmm, perchance a coil might still exist in the bilgewaterboxes from a long ago defunct arcusfivusriggus....yes, sans ferrite plug and with too few turns for 80M, probably from an old 5.3-7 or 7-9.1 box of olde. After fastening in the coil and a dash of solder, and reaching for more clippileads and an old bcst variable for tuning, would it tune to 80M? Heavens ta mergatory, it did! About 250pf were required to bring it down far enough to hit the 80M band. Onwards to teste it forthe with its emanations ethereal, into the rigs, coupled out from its variable link. Oh, boy! Worketh welle it did! Driveth well and strongly at 5 volts and beyond, with 48 volts plate supply! Too much drive, though. Thus, didst I, with greate curiosity testeth the whacked hacked bashed and rehashed arcusfivus vfo ON 24 VDC PLATE SUPPLY. IT WORKED PERFECTLY TO DRIVE ANYTHING REQUIRING THE AVERAGE VFO DRIVE OF SEVERAL VOLTS (0-5 VOLTS RF) WITH ONLY 24 VOLTS DC PLATE SUPPLY!!!!!! The plate and screen voltage on the pair of 1625's that I finally put back in , and the oscillator was only 24 volts dc, i.e., all plates and screens operated at a common 24vdc, bypassed to ground at one point with a 0.01ufd cap. A first approach method at keying was attempted by merely keying the 24vdc plate line ---- IT WORKED PERFECTLY! No chirps, yoops, or other such keying problems were encountered. The ol' Boatanchor Bob were well pleased that another arcusfivusjunkusriggus flys again! It is as close to original, as the hulk would permit, sans broken and removed parts. The oscillator is mostly original, and the finals are approximately so. Methinks others might wanna try it on their hulks that would otherwise be parts or junque machinen. The main requirement is that the oscillator section be there, and the amplififer tube sockets and inputs be intact, and some form of output coil be used with a small link coupling (mebee 2 turns) to get output to drive your DX-60, or other such rigs. It might be feasible to wind a coil on a pillbottle even, which would work. It runs on 24 vdc at 1 amp (24-28vdc) or batteries, and you can probably rig up a simple dpst relay to key the arc-5 in the plate lead and key the other rig normally.

So, gathers ye up yer arcusfivushulks and makes ye up a fine vfo fer

driving them thar glowebugges an' firebottle rigs!

01' ArcusFivus rigs never die..... they just get better with age!

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: roecker.greg@ist.mds.lmco.com
Subject: 00's and 75
Message-ID: <Chameleon.855231789.greg@roeckerpc.ist.mds.lmco.com>

But I wonder if CW is the
>only thing they monitor? They could easily hand out a hundred
or so a day on
>80 and 75 for language alone.
>
>73,
>Dube Todd K4DWW
dube3@n-link.com
>

-----End of Original Message-----

Yeah, I wonder too . . . they could hand out THOUSANDS for
language alone on 80 meters!!!!!! . . . and they don't have to
look very hard to find it either I have heard "stuff"
on 75 phone that makes you wonder what the motivation must be
for some operators to be in ham radio in the first place . . .

Greg / N40SJ

Greg Roecker
E-mail: roecker.greg@ist.mds.lmco.com
Voice: 770.698.5226
Fax: 770.698.5220
From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: "Jim Berry" <basalop@eskimo.com>
Subject: Re: 00's and 75
Message-ID: <199702061810.KAA03462@mail.eskimo.com>

Hi Ba Fans,

I got an 00 once. Claimed I had chirp and all kinds of stuff on my CW signal.

I took it as a compliment. At least I had a signal that did not sound like a sterile ricebox rig. Thing wasn't even signed and I tossed it in the garbage.

73 Jim

> From: roecker.greg@ist.mds.lmco.com
> Subject: 00's and 75

>
> But I wonder if CW is the
> >only thing they monitor? They could easily hand out a hundred
> or so a day on
> >80 and 75 for language alone.
> >
> >73,
> >Dube Todd >
>
> -----End of Original Message-----
>
> Yeah, I wonder too . . . they could hand out THOUSANDS for
> language alone on 80 meters!!!!!! . . . and they don't have to
> Greg / N4OSJ
> -----
> Greg Roecker

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com FAX: 360-659-1360
Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: John <jackiv@postoffice.worldnet.att.net>
Subject: Operating three phase thingies from 60 hurts! 1 phase
Message-ID: <19970207020337.AAA10661@LOCALNAME>

As many machine shop owners have found over the years, the bridgeport mill must have 3 phase. the back yard guys did not have that so-- someone came up with a "phase changer". this is basically a three phase motor connected to a single phase line--but it has a capacitor/s connected to line a to line b and a capacitor line b to line c. you shall apply 230 or 220 or 240 ac (whatever you have to line a and c. THEN viola- you will find an ac voltage with the proper 120 degree phase relationship from a to b to c to a . so if WHEN the motor is running (cut off the shaft, you don't need it) you will have a

three phase output from a-b-c related to your input voltage. Quite often you will find but one set of capacitors in one of these jewels.

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: n5off@w5ddl.aara.org
Subject: Osterman Book Update
Message-ID: <573842@w5ddl.aara.org>

I would encourage all of you who have seen Fred's book and noted some rigs left out, to contact Fred at dx@universal-radio.com so he can include the missing rigs in the next edition of the book.

As many can testify, Fred has made great improvements in this edition and does not plan to stop with this one. Its just that you have to go to press sometime, and this was the time.

I have documentation on three rigs that I plan to send to Fred for the next round, and i would encourage you to gain the satisfaction for yourselves as contributors to the next edition.

Send paper documention to Fred Osterman, universal Radio Research, 6830 Americana Pkwy, Reynoldsburg, OH 43068, USA.

I have never met Fred, am not connected with Universal, and all that disclaimer stuff. I would just like folks to do what Fred asks on page 3, to contribute.

73 and Good Luck

Tom N5OFF

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Osterman Book Update
Message-ID: <199702061802.MAA24567@lesol1.dseg.ti.com>

At 06:08 AM 2/6/97 -0600, Tom N5OFF wrote:

>I would encourage all of you who have seen Fred's book and noted
>some rigs left out, to contact Fred at dx@universal-radio.com
>so he can include the missing rigs in the next edition of the
>book.

I'll confirm what Tom said. Fred is quite receptive to corrections and

additions. After I noted several errors in my posted review of his book, Fred wrote to me soliciting additional recommendations, and I agreed to provide all that I find to him.

Since the first edition of this book dealt with "modern" receivers exclusively, I assume that the boatanchor effort has been a learning experience for Fred. Fred indicated in his book that the additional material on boatanchor stuff was in response to reader's requests. In that vein, one of my suggestions for Fred is that the next edition include all the old "communications" receivers. That would take it back to 1932, I believe, and would involve the addition of a relatively small number of radios. Of course, another small jump would be to include earlier regenerative sets...

I have no monetary involvement whatsoever in Fred's book but am quite happy to provide Fred with info because, despite it's shortcomings and omissions, the format of the book, the quality of the illustrations and the technical details provided for each receiver make this, by far, the best of the reference books currently available. I'm only too happy to provide additional detail to enhance any possible future edition. Fred is interested in the subject matter and has the backing of a publisher for this high quality book. IMHO, this is a great opportunity to enhance our hobby's reference material.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>
Subject: Own the first commercially produced BA (Marconi)
Message-ID: <9702062352.ZZ215519@ds1.acs.ucalgary.ca>

Gang:

Here is the chance that you have all been waiting for...the chance to own the world's first commercially produced receiver...a 1900 Marconi coherer detector.

Apparently the Marconi company is selling off its collection of

early items. Christie's, a UK based auction house, is hosting the sale in England on the 24th and 24th of April. Check out <http://www.christies.com/marconi> for details and photos. Also on the block is one of Fleming's original experimental valves (toobs) from 1904. Don't know if the filament is still in good shape...estimated at 5000 to 8000 pounds (about \$10000 US\$)....makes the 1L6 look dirt cheap!

The coherer receiver is estimated at 15000 to 20000 pounds by the way (about \$30000 US).

Also listed was Marconi's diary recording reception of the first transatlantic signals in 1902, and the Marconigram with the news that the Titanic was sinking (had sunk?)

Some of this equipment will be on display in the US during March and April, so perhaps a few of us will get to see it even if the price is a bit high even by the standards of Collins collectors...

73, Deane D McIntyre VE6BP0
deane@deane.bio.ucalgary.ca

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: Own the first commercially produced BA (Marconi)
Message-ID: <Pine.SUN.3.91.970206195045.18454A-100000@indy2>

Arrgh!

On Thu, 6 Feb 1997, Deane D McIntyre wrote: [emphasis mine]
> [...] Apparently the Marconi company is *selling off* its collection
> of early items.
> [...] one of Fleming's original experimental valves [...]
> [...] coherer receiver [...]
[et irreplaceable cetera]

WHAT?!?! Is Marconi in such dire straits? Tch, tch, tch; the UK has museums that make the ones in the US look like second-hand shops. Surely such material would be better donated to a proper museum in Britain rather than hawked to highest bidder and scattered to the four winds!

It's a damned shame. Is the world so full of shiny plastic junk and superduper comsats (they *lost* one recently, when some dimwit tried to tell it to move and pointed all the antennas away from the Earth, that's how sloppy things have got) that such priceless historical artifacts have

become just more attic-sweepings to be turned into loot?

Hmpf. I'm deeply disappointed in Marconi. It was bad enough when RCA traded their birthright for a lump of cash but this is simply awful. I hope to high heaven that Marconi's descendants buy up the whole lot of it and take it back to Italy!

73,

--Bobbi

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: arc5@ix.netcom.com (David Stinson)
Subject: PROPER COMMAND SET POWER SUPPLY
Message-ID: <199702061736.JAA23165@dfw-ix2.ix.netcom.com>

Several people have written me about getting proper power to their command set transmitters, so I'm posting this to the list for general information. As usual, it takes me forever but here at last is the info.

Both the AN/ARC-5 and SCR-274N units derive their voltages using a voltage divider network. The divider we'll draw matches that used in the equipment power supply as designed. I very much recommend it.

Primary power should be 24-28 VDC at about 2.5 amps for relay and filaments and 500-600 VDC at about 200 MA.
We will assume the designer's specs of
550 VDC B+ and 26 VDC filament.
Get out a piece of paper and follow along.

Place a dot on your paper and call that point "A".
Draw a line right to point "B".
Connect a 20 K-ohm, 5 watt resistor here.
Call the other end of this resistor point "C".

Draw a line right from point "B" to point "D". From
"D", connect a 15 K-ohm, 10 watt resistor. Call the other
end of this resistor point "E". From point "E", connect
a 100 K-ohm 1 watt resistor to ground.

Draw a line right from point "D" to point "F". Draw a line
right from point "E" to point "H".

+550 VDC in at point "A".
+550 VDC out to PA Plates at point "F".
+270 VDC out to PA screens at point "C".
+200 VDC out to Oscillator at point "H".

Bypass all outputs with about .01 ufd to ground.

If you wish to regulate the screens for AM, connect an 0D3 VR tube with a .5 ufd at 300VDC cap across it between point "C" and ground.

If you use this network, and use correct antenna matching, you will be able to properly load and tune your command set transmitter to rated output.

I'm about to type-up a voltage-tube pin chart (including proper currents), and some new information on properly loading and matching your antennas. Will upload shortly.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Al Klase <skywaves@webex.net>
Subject: R-390 Ballast
Message-ID: <32FA6D27.2EB5@webex.net>

Benjamin D. Hall wrote:

>
> 1) The ballast tube drops and regulates the filament voltage going to
> two tubes in the VFO/local osc department. The drop across the ballast
> tube is about 12 volts if I remember correctly, so what you can do is
> replace the two 6XYZ tubes with the twelve volt versions ie 12XYZ, and
> jumper where the ballast tube was. Several folks report that this works
> pretty darn well.

A ballast tube functions as a current regulator due to the temperature coefficient of its filament. As I recall, it's the BFO and Oscillator tube in the VFO that are regulated. This was done to ensure oscillator stability across a wide range of line input voltage: something like 90 to 130 volts AC. Few of us have to deal with such wide voltage swings, so filament current regulation is not really necessary. I think the 12 volt tube solution is the best solution for most of us.

>

> 2) In Gerald D'Entremont's Mish restored R-390A, the ballast tube was
> replaced by a Dale, aluminum cased, anodized power resistor.

>

Professional, but doesn't provide regulation.

> 3) Using a 7812 three pin regulator and bridge rectifier, build a
> little plug in replacement that rectifies and filters the filament
> voltage, and then the 7812 provides a regulated 12 volt output. Now, I
> haven't done the math, but the estimator in me is thinking that an
> approximatly 12 volt drop (25.something VDC to 12 VDC) at about .5 amp
> may exceed the thermal dissapation capibility of the 7812.

>

What you really want to do here is feed a regulator, e.g. a
5-volt
unit, from a bridge rectifier. The VR feeds a power resistor calculated
to
draw 300 ma. at the regulator voltage. This forms a two terminal
current
regulator that can be used to directly replace the ballast. It should
provide
much better regulation than the original ballast.

>

> >From my own thoughts and from thoughts of others on the list:

>

> 5) Find a 12 volt bulb with similar characteristics of the ballast
> tube?

Just replace the ballast with a 12 volt tube with a 300 ma
filament.

This requires a jumper or two on the ballast socket. Tube plugs right
in. You can always go back to the ballast.

>

> Personally, I like the solution of replacing the 6 volt tubes with 12
> volters. Less intrusive, easily reversable, etc...

Amen!

--

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

--

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Tom Norris <badger@telalink.net>
Subject: R-390 Electrolytic alert!!!
Message-ID: <3.0.32.19970205211112.006f8b58@telalink.net>

Inexpensive Replacements For C-603, C-606 found

I have had a hum in my 390A, and pondered getting EXPENSIVE replacements for the plug-in caps, or chancing NOS that may or may not work. Went to Javanco
(Nashville, TN 615-244-4444; www.javanco.com)
yesterday and found by accident empty relay cases with octal bases on them --I then proceeded over to the capacitor isle and found some 47 mf caps that fit just fine in the cases, even stuck with 47 to replace the 30's. Three caps will fit in the cases, though it is a tight fit. Soldered the capacitors inside the cases, pulled the old caps out, plugged the new caps in. Seemed much too easy-- they plug right in!!!!
Replaced both C-603 and 606 for less than \$10 and with NEW 47@350 caps in each.
No soldering, hacking, rending of sheet metal, etc.

Much less ripple now on the power supply, no heating of the new caps, nothing out of the ordinary, not that there should be..... And it fixed the slight hum that I could hear with headphones.

Just thought I would pass it along to anyone interested.

73

Tom KA4RKT

Please visit my web site with info on military communications gear:
[HTTP://telalink.net/~badger/millist/index.html](http://telalink.net/~badger/millist/index.html)

ANY and ALL Contributions Welcome.
Photos, descriptions of gear that isn't listed - no contribution too small.

Tom Norris KA4RKT

badger@telalink.net Nashville, Tennessee, USA
thermionic@techie.com

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: R-390A Parts Funzies (Cosmos PT0)
Message-ID: <199702061731.LAA19952@lesol1.dseg.ti.com>

Hi Ben,

Just read your post from a boatanchor archive site. (E-mail's been bad and I've missed a few posts recently, including the couple of posts that I made.) Anyway, being as I disassembled an R390A Cosmos PT0 a week or so ago, I happen to remember the number of screwholes. There are three capped screw holes on the front of my Cosmos PT0. The screwhole partially behind the 6BA6 allows access to the endpoint adjustment. The screwhole closest to the center of the front face allows access to the forty 25 kHz linearity adjustments. The third screwhole allows access to the thermostat adjustment.

If your Cosmos PT0's don't have these three screwholes, perhaps they aren't the infamous Cosmos redesigned PT0. Recent discussion about Cosmos PT0's kinda suggests that Cosmos may have made conventional PT0's before redesigning 'em. I'm curious, so I hope you'll let us know what you find.

FWIW, judging from the 12,000+ serial number on my Cosmos PT0, it appears that Cosmos made quite a few PT0's.

Regards,
Bill Sorsby, N5BU

>From boatanchors@theporch.com Wed Feb 5 06:45:36 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: R-390A Parts Funzies
Message-ID: <32F7E57B.1629@GHG.net>

Hiya tube dudes...

Got a couple of packages today from Fair Radio. Package number one had three of the Tobyhana Depot overhauled PT0's, which turned out to be two Cosmos and one Dubrow. Anyone with a Dubrow R-390A want to make me an offer on the Dubrow PT0 so all their modules match? Heh heh heh...

Acutally, I wanted two for spares, one for my R-390A and one for the R-725, and was hoping the third would be a Collins to pass along to a Collins R-390A fan. I haven't looked at the Cosmos PTO's in real detail, but I only see the screw covered hole for the end-point adjustment. Or is this the same screw that exposes all the little screws for the linearity adjustment that has been yaked about lately?

..snip...

bill.sorsby@dlep1.itg.ti.com

Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997

From: Dennis Gibbs <dgibbs@rational.com>

Subject: RE: R-390A Parts Funzies (Cosmos PTO)

Message-ID: <01BC1424.68967400@dasher.rational.com>

>FWIW, judging from the 12,000+ serial number on my Cosmos PTO, it appears
>that Cosmos made quite a few PTO's.

>

>

>Regards,

>Bill Sorsby, N5BU

Yes, I have a couple Cosmos PTOs with serial numbers over 28,000!

Dennis

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997

From: bdhall@ghg.net (Benjamin D. Hall)

Subject: Re: R-390A Parts Funzies (Cosmos PTO)

Message-ID: <32FA4682.4811@ghg.net>

Bill Sorsby wrote:

Hi Bill...

> Anyway, being as I disassembled an R390A Cosmos PTO a week or so
> ago, I happen to remember the number of screwholes. There are three capped
> screw holes on the front of my Cosmos PTO. The screwhole partially behind
> the 6BA6 allows access to the endpoint adjustment. The screwhole closest to
> the center of the front face allows access to the forty 25 kHz linearity
> adjustments. The third screwhole allows access to the thermostat adjustment.

AH HA! I thought that the screw in the center of the front face was the
endpoint adjustment... Never thought that the endpoint adjustment would
be behind the 6BA6. Don't you need the 6BA6 in it's socket to do the
endpoint adjustment? I've never read the manual on how this is done...
My R-725 VFPTO (heh heh heh, my combination of VFO and PTO: Variable
Frequency Permeability Tuned Oscillator) is within 2 kHz across the
whole range, and my R-390A VFPTO is within 3 or so. Good enough that I
don't worry about it... I'll fire up the Sangean if I need a precise
freq readout...

> If your Cosmos PTO's don't have these three screwholes, perhaps they aren't
> the infamous Cosmos redesigned PTO. Recent discussion about Cosmos PTO's
> kinda suggests that Cosmos may have made conventional PTO's before
> redesigning 'em. I'm curious, so I hope you'll let us know what you find.

Nope, both of these are the redesigned PTO's I'm pretty sure. When I
get home Friday morning (I'm working the 8am Thursday to 2am Friday
morning shift, ack!) I'll check it out. I'm pretty sure they are the
redesigned VFPTO's...

Thanks and 73,

Ben

--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.

E-mail: BDHall@GHG.net (home) -or- Benjamin.D.Hall1@JSC.NASA.GOV

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Dennis McLaughlin <dennism2@ix.netcom.com>
Subject: RE: R-390A Parts Funzies (Cosmos PTO)
Message-ID: <01BC1461.63DDE140@akr-oh2-16.ix.netcom.com>

Hi Bill,

The bad Cosmos PTO I am now looking at has two screw holes on the metal face on
the front of the PTO. One is above the center line of the tuning shaft and the
other is to the right about 3/8". It is almost behind Z702 transformer cover.
This is the endpoint adjustment. the screw in the hole is should have a red
rubber packing around it to keep the screw from moving out of adjustment and keep

the 15 PSI of dry nitrogen from leaking out. The center screw cover is the adjustment for the many screws to adjust the linearity. The screw cover in the brown phenolic labeled S-701 behind the tube is the thermostat adjustment.

My Cosmos PTO ran out of endpoint adjustment. The red rubber packing is deteriorated to the point that the adjustment screw is loose. After tearing apart the front gear box, cleaning it, lubing it, reassembling it, I broke it. Do not adjust the last screws on the adjustment ring. The screw at each end should be threaded out completely. The next screw should be about half way between the first and third screw. This provides a smooth ramp for the spring washer which rides on the flat heads of the adjustment screws. If you turn the PTO shaft beyond the last adjustment screw and then back you won't break the V wedge spot welded on the spring washer. I thought I could change the movement of the ferrite slug to the adjustment washer by threading the slug onto the lead screw one thread earlier than the original location. This should have provided more inductance for a given position than before. Tearing apart a Cosmos PTO then trying to resync the slug, gears and adjustment ring during reassembly is ugly.

The coil core material looks like G10 micarta. The ER on the Collins PTO stated that ceramic was the best material. The rear lead screw bearing is a piece of phenolic with a hole in it, not a bearing.

The replacement PTO I ordered from Fair Radio is a Collins. I think it is. The cover is. Inside the coil core material is a brown phenolic, not ceramic. The rest of the assembly looks like the ER pictures. The roller that rides on the adjustment washer stack was worn flat. I rotated the roller to a round spot. The roller normally doesn't rotate. I lubed it, cooked it for 3 days, and adjusted it. It was linear within 400 Hz for about a month. Now a year later it is off by about 1200 Hz. The end point adjustment drifts.

It's tough to get a good PTO.

From: Bill Sorsby[SMTP:bill.sorsby@dlep1.itg.ti.com]
Sent: Thursday, February 06, 1997 6:35 AM
Subject: Re: R-390A Parts Funzies (Cosmos PTO)

Hi Ben,

Just read your post from a boatanchor archive site. (E-mail's been bad and I've missed a few posts recently, including the couple of posts that I made.) Anyway, being as I disassembled an R390A Cosmos PTO a week or so ago, I happen to remember the number of screw holes. There are three capped screw holes on the front of my Cosmos PTO. The screw hole partially behind

the 6BA6 allows access to the endpoint adjustment. The screw hole closest to the center of the front face allows access to the forty 25 kHz linearity adjustments. The third screw hole allows access to the thermostat adjustment.

If your Cosmos PTO's don't have these three screw holes, perhaps they aren't the infamous Cosmos redesigned PTO. Recent discussion about Cosmos PTO's kinda suggests that Cosmos may have made conventional PTO's before redesigning 'em. I'm curious, so I hope you'll let us know what you find.

FWIW, judging from the 12,000+ serial number on my Cosmos PTO, it appears that Cosmos made quite a few PTO's.

Regards,
Bill Sorsby, N5BU

>From boatanchors@theporch.com Wed Feb 5 06:45:36 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: R-390A Parts Funzies
Message-ID: <32F7E57B.1629@GHG.net>

Hiya tube dudes...

Got a couple of packages today from Fair Radio. Package number one had three of the Tobyhana Depot overhauled PTO's, which turned out to be two Cosmos and one Dubrow. Anyone with a Dubrow R-390A want to make me an offer on the Dubrow PTO so all their modules match? Heh heh heh... Acutally, I wanted two for spares, one for my R-390A and one for the R-725, and was hoping the third would be a Collins to pass along to a Collins R-390A fan. I haven't looked at the Cosmos PTO's in real detail, but I only see the screw covered hole for the end-point adjustment. Or is this the same screw that exposes all the little screws for the linearity adjustment that has been yaked about lately?

.snip...

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: R-390A Parts Funzies (Cosmos PT0)
Message-ID: <199702070223.UAA14802@dlep1.itg.ti.com>

At 03:00 PM 2/6/97 -0600, Ben Hall wrote:

>AH HA! I thought that the screw in the center of the front face was the
>endpoint adjustment... Never thought that the endpoint adjustment would
>be behind the 6BA6. Don't you need the 6BA6 in it's socket to do the
>endpoint adjustment? I've never read the manual on how this is done...

Seems like the tech manual method calls for putting the PT0 on a test jig or
somesuch. What I did was take the PT0 out, pull the 6BA6, screw the endpoint
adjustment a few turns, reinstall the PT0, recalibrate and compare to
previous. Repeated this ad nauseum until I got the endpoints as close as
they would get, which in the case of my Cosmos PT0 was 2 kHz across the 1
MHz spread. Since I'd started out with 10 kHz, I was pleased.

I'll also mention that during the process I screwed the slug too far and had
to open up the PT0 to reinstall the slug into the form.

Good luck, Ben. Figuring out how to do what needs to be done is more
difficult than actually doing it. (But since I told you how I did it, you
shouldn't have any difficulty at all. ;-)

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com
Grapevine, TX 76051

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: David Medley <davemed@worldnet.att.net>
Subject: R390 ballast tubes
Message-ID: <3.0.32.19970205210148.006bf858@postoffice.worldnet.att.net>

There has been several instances of guys having misfortunes with ballast
tubes.

There has also been discussion re alternatives from the elaborate solid
state solution published in Electric Radio to simpler schemes which I forget.
I think it would be a kind (and useful) act if someone would post a message
outlining these various schemes and pointing to sources of detailed info.
Dave

David Medley KI6QE/7 VK2IMJ
davemed@worldnet.att.net
Tucson Arizona

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Tom Norris <badger@telalink.net>
Subject: R390 ballast tubes
Message-ID: <3.0.32.19970206070519.006e3c74@telalink.net>

Probably the simplest solution to the R-390 Ballast Problem ---
and a solution that doesnt require designing any regulators, or
using large resistors, as some other solutions imply --
is to replace the BFO and PTO tubes with 12BA6's, then jumper
the ballast socket for continuity. The old dead ballast may be put
back if desired for "looks".

Please visit my web site with info on military communications gear:
[HTTP://telalink.net/~badger/millist/index.html](http://telalink.net/~badger/millist/index.html)

ANY and ALL Contributions Welcome.
Photos, descriptions of gear that isn't
listed - no contribution too small.

Tom Norris KA4RKT
badger@telalink.net Nashville, Tennessee, USA
thermionic@techie.com

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: R390 ballast tubes
Message-ID: <32F9E435.5FD2@GHG.net>

David Medley wrote:

> There has been several instances of guys having misfortunes with ballast
> tubes.
> There has also been discussion re alternatives from the elaborate solid
> state solution published in Electric Radio to simpler schemes which I forget.
> I think it would be a kind (and useful) act if someone would post a message
> outlining these various schemes and pointing to sources of detailed info.

Hi David, Hollow State Newsletter has had a ton of different solutions. I'll summarise the ones I remember off the top of my head, and if there is interest and I get time, I'll provide details and more exact references:

1) The ballast tube drops and regulates the filament voltage going to two tubes in the VF0/local osc department. The drop across the ballast tube is about 12 volts if I remember correctly, so what you can do is replace the two 6XYZ tubes with the twelve volt versions ie 12XYZ, and jumper where the ballast tube was. Several folks report that this works pretty darn well.

2) In Gerald D'Entremont's Mish restored R-390A, the ballast tube was replaced by a Dale, aluminum cased, anodized power resistor.

3) Using a 7812 three pin regulator and bridge rectifier, build a little plug in replacement that rectifies and filters the filament voltage, and then the 7812 provides a regulated 12 volt output. Now, I haven't done the math, but the estimator in me is thinking that an approximatly 12 volt drop (25.something VDC to 12 VDC) at about .5 amp may exceed the thermal dissapation capibility of the 7812.

4) Zener diode thingys. My brain is fuzzy here, so I'll defer to others on how this works, etc...

>From my own thoughts and from thoughts of others on the list:

5) Find a 12 volt bulb with similar characteristics of the ballast tube?

Personally, I like the solution of replacing the 6 volt tubes with 12 volters. Less intrusive, easily reversable, etc... I'd be willing to bet that the ballast tube was required do to the lousy quality of AC power some of these fine soldiers operated from. In our installations, our power (except during the summer hi hi) is much better quality...

Other comments?

73,
Ben

--

From the computer of Benjamin D. Hall, Houston Texas | Collector of fine firebottle
BDHall@GHG.net (home) -or- | equipment, as well as other things
Benjamin.D.Hall1@JSC.NASA.gov | involving Earth, Air, Water, and
Fire.

PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above. My old address, BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: Al Klase <skywaves@webex.net>
Subject: Re: R390 ballast tubes
Message-ID: <32FA1862.B92@webex.net>

Benjamin D. Hall wrote:

>
> 1) The ballast tube drops and regulates the filament voltage going to
> two tubes in the VFO/local osc department. The drop across the ballast
> tube is about 12 volts if I remember correctly, so what you can do is
> replace the two 6XYZ tubes with the twelve volt versions ie 12XYZ, and
> jumper where the ballast tube was. Several folks report that this works
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Professional, but doesn't provide regulation.

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> little plug in replacement that rectifies and filters the filament
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> haven't done the math, but the estimator in me is thinking that an
> approximatly 12 volt drop (25.something VDC to 12 VDC) at about .5 amp
> may exceed the thermal dissipation capability of the 7812.
>

What you really want to do here is feed a regulator, e.g. a 5-volt unit, from a bridge rectifier. The VR feeds a power resistor calculated to draw 300 ma. at the regulator voltage. This forms a two terminal current regulator that can be used to directly replace the ballast. It should provide much better regulation than the original ballast.

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>
> 5) Find a 12 volt bulb with similar characteristics of the ballast
> tube?

Just replace the ballast with a 12 volt tube with a 300 ma filament.
This requires a jumper or two on the ballast socket. Tube plugs right
in. You can always go back to the ballast.

>
> Personally, I like the solution of replacing the 6 volt tubes with 12
> volters. Less intrusive, easily reversable, etc...

Amen!

--
Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: k1zat@dsport.com
Subject: R390 Died
Message-ID: <Pine.GS0.3.95.970205212827.4152D-1000000@puff>

> ballast tube

Mine is shot too. Anyone have one I can beg, buy, borrow
or otherwise appropriate ?

jd

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Stephan Sykes <:ssykes@emirates.net.ae>
Subject: RE: R390 Died
Message-ID: <01BC1455.B555B540@cse086.emirates.net.ae>

One thing I have done in the past that worked well was to attach wire
jumpers to a tube, I think it was a 12BY7, to connect the filament to the
ballast tube connection. I think that tube has similar current specs to
the ballast tube. It seemed to work ok, and looked better than a resistor
jammed into the socket. Sure worked in a pinch, until a proper ballast
tube could be found.

Steve Sykes
KD2OM

From: k1zat@dsport.com[SMTP:k1zat@dsport.com]
Sent: Thursday, February 06, 1997 1:38 AM
Subject: R390 Died

> ballast tube

Mine is shot too. Anyone have one I can beg, buy, borrow
or otherwise appropriate ?

jd

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Dennis McLaughlin <dennism2@ix.netcom.com>
Subject: R390A ballast tube replacement
Message-ID: <01BC1457.C858BBE0@akr-oh2-16.ix.netcom.com>

Hi

Many posts have described replacing V505 and V701 with 12BA6 tubes and shorting pins 2 and 7 on the ballast tube socket. This is the simplest way to eliminate the ballast tube. But if you don't want to replace V505 and V701 try this.

- 1) Remove IF subchassis and short pins 2 and 7 on XRT510 (the ballast tube socket).
- 2) Remove power supply subchassis and add a wire from terminal 9 on T801 transformer to jack J811-9 (pin 9).
- 3) Remove the cover on plug P111 and determine with ohm meter which wire on pin 1 (both should be white with brown stripe) goes to P112-8 (large if subchassis connector pin 8) plug. Mine is the fatter wire. Move this wire to pin 9 on P111. The remaining wire should go to the ovens switch S106 then to the selenium rectifier CR102.

Pin 9 on P111 and J811 should be not be in use before this modification. You will now be running tubes V505 and V701 in series with 12.6 volts ac. Pin 9 on T801 is the center tap of the 25.2 vac winding. The ovens and antenna relay will operate from 25.2 vac.

I have not done this modification before but when my ballast tube goes I will try this since I don't have any 12BA6's laying around.

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Mort Denison <mdenison@postoffice.ptd.net>
Subject: R390A with a CV-1758
Message-ID: <32FA89E3.9BE@postoffice.ptd.net>

I've got a CV-1758 SSB converter that I'm going to use with my R390A. I'm a little confused (much nicer word than stupid) about connecting the two together.

The 1758 shows that it needs an IF input - I got that figured out. It also uses an AVC input. The R390A has a tie-in via the rear end terminal strip for AGC. Are we apples to apples here? If not, what's the consensus of opinion on what goes where.

Boy, do I wish Bill had an audio mod for the 1758! The manual says to parallel the speaker outputs (1758 has a choice of 8 or 600 ohm, high or low level at least). I bet the audio mod is going to make it sound pretty bad, though. Too bad I can think of a way to feed the audio back into the R390. Any suggestions hear? (pun).

Thanks,

Mort Denison

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Mike Maloney <ac5p@ionet.net>
Subject: R4C 1st IF Filter Repl.Specs
Message-ID: <199702061323.HAA08170@mail.ionet.net>

Does anyone know how the International Radio GUF-1 replacement filter compares to the 1st IF stock filter figure 3-3, page 3-8 of the manual?
Thanks, Mike ac5p

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: wpul11130 <wpul11130@concentric.net>
Subject: RAL and TCS
Message-ID: <32F95D70.4736@concentric.net>

Greetings all: does anyone know of a URL that supports pictures of

the RAL and TCS sets. Thanks in advance
73's
Lloyd

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: "Jim Berry" <basalop@eskimo.com>
Subject: RAS value ??
Message-ID: <199702060712.XAA04272@mail.eskimo.com>

Hello Real Radio fans,

I have been offered a chance to buy a rack mount RAS that would include the speaker, power supply, coil holder and set of coils for \$200. Unit is said to be in good shape and operating. I wonder what you folks think?

73 Jim K7SLI

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com FAX: 360-659-1360
Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: tpl.dsc@discnet.com
Subject: Re.: PROPER COMMAND SET POWER SUPPLY
Message-ID: <9702061859.AA137516@sfm.discnet.com>

Does this also apply to the ARC-2 ?

Tom Lewandowski N9DVT

=====

Several people have written me about getting proper power to their command set transmitters, so I'm posting this to the list for general information. As usual, it takes me forever but here at last is the info.

Both the AN/ARC-5 and SCR-274N units derive their voltages using a voltage divider network. The divider we'll draw matches that used in the equipment power supply as designed.

I very much recommend it.

Primary power should be 24-28 VDC at about 2.5 amps for relay and filaments and 500-600 VDC at about 200 MA.

We will assume the designer's specs of 550 VDC B+ and 26 VDC filament.

Get out a piece of paper and follow along.

Place a dot on your paper and call that point "A".

Draw a line right to point "B".

Connect a 20 K-ohm, 5 watt resistor here.

Call the other end of this resistor point "C".

Draw a line right from point "B" to point "D". From "D", connect a 15 K-ohm, 10 watt resistor. Call the other end of this resistor point "E". From point "E", connect a 100 K-ohm 1 watt resistor to ground.

Draw a line right from point "D" to point "F". Draw a line right from point "E" to point "H".

+550 VDC in at point "A".

+550 VDC out to PA Plates at point "F".

+270 VDC out to PA screens at point "C".

+200 VDC out to Oscillator at point "H".

Bypass all outputs with about .01 ufd to ground.

If you wish to regulate the screens for AM, connect an 0D3 VR tube with a .5 ufd at 300VDC cap across it between point "C" and ground.

If you use this network, and use correct antenna matching, you will be able to properly load and tune your command set transmitter to rated output.

I'm about to type-up a voltage-tube pin chart (including proper currents), and some new information on properly loading and matching your antennas. Will upload shortly.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: Surplus Conv. Manuals
Message-ID: <2.2.32.19970206184626.00bcfc38@marlin.nosc.mil>

There were three volumes. Does anyone know if these are being reprinted and if so who sells the copies. This is a request for a friend, I don't plan to mod anything! Thought I'd better put that in to avoid incoming. Thanks folks.

Ed Zeranski ejz@marlin.nosc.mil, work
ezeran@cris.com home
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: Surplus Conv. Manuals
Message-ID: <2.2.32.19970206225328.00bc8e9c@marlin.nosc.mil>

There were three volumes. Does anyone know if these are being reprinted and if so who sells the copies. This is a request for a friend, I don't plan to mod anything! Thought I'd better put that in to avoid incoming. Thanks folks.

Ed Zeranski ejz@marlin.nosc.mil, work
ezeran@cris.com home
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997

From: Karl-Arne =?ISO-8859-1?Q?Markstr=F6m_08?= 6017171
Subject: Svar: Ancient knowledge; class C grid impedance
Message-ID: <C85IRT1Y38L*/R=A1/R=MRGST/U=KAM/@MHS.stoa.mobitel.telia.se>

Dear BA'ers

Dennis W5FRS
wrote:

>>Situation: trying to drive a P-P, class C amp, link coupled input, with an
>>exciter designed for 50-70 ohm load.

>>Does anyone remember any generalities in this area about the range of
>>input impedance one would expect to encounter? Is it very low, eg. 10-20
>>ohms, or perhaps very high, in the thousands of ohms range?

A rule of thumb is that the input impedance of a class C grid driven amplifier
in the HF range is approximately:

$$Z_{in} [\text{ohms}] = 620000 * (\text{drive power [W]} / (\text{DC grid current [mA]} ** 2)),$$

which for most power tubes will fall in the 1000 - 5000 ohm range.

A resonant-circuit impedance transformation used for driving the non-linear
load that a class C grid circuit will only give the expected results if the loaded
Q
is sufficiently high (Q = 10 to 15) to absorb the load variations
over the grid voltage cycle.

Hope this helps.

73/

Karl-Arne Markstrom SM0AOM

kam@stoa.mobitel.telia.se

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997

From: BEN NOCK <106312.1035@compuserve.com>
Subject: SW Rx's past/present, non existant etc..more
Message-ID: <199702060507_MC2-10F1-66C3@compuserve.com>

As Glen N2BJG said.....

>KW sets?? I ASSUME (my capitals. ben)
>Ben is referring to KW Atlanta which is VERY SCARCE!. I attend
>dozens of hamfests every year and I've never seen one. Besides,
>didn't KW just make a transceiver? and when is the last time you
>saw an Eddystone at a U.S. hamfest? I'll ASSUME again from the
>above comments you're referring to the Kenwood R599, R599D
>receivers, which in my opinion were excellent performers and, yes
>are becoming quite scarce at hamfests.
>To each his own I guess, but in my opinion the book is excellent and
>a bargain at the \$19.95 price. I did find some mistakes with some
>of the sets I'm familiar with like the comment that the Drake R-4C
>has the capability of setting the bandwidth independent of mode
>(not true, that was the R-4B)
>I also feel the prices were very close to the mark.

-----reply-----

Proves my point. KW made hundreds of sets, not just an Atlanta.
But as the book misses them out, certain folk will never get educated
to that fact. Thats the point of reference books, to educate folk.

And as for seeing sets at hamfests. If the book is only for US
consumption, why bother mentioning any foreign sets at all.
Not every one in the world goes to HAMFESTS. We all go to
rallies in the UK, and there are Eddystones galore over here,
and KW's and other UK and foreign sets. Even the odd US set !

It just seems to me that this guy missed an opportunity, but,
ones man's mistake, is anothers luck. Watch this space.

Its also better not to ASSUME something, when not knowing the
bigger picture.

Ben G4BXD.

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Glenn Finerman <GFINER@nms.com>
Subject: re: SW Rx's past/present, non existant etc..more
Message-ID: <s2f9ffe2.020@nms.com>

Ben G4BXD Said;

re>Proves my point. KW made hundreds of sets, not just an Atlanta.
>But as the book misses them out, certain folk will never get educated
>to that fact. Thats the point of reference books, to educate folk.

Hundreds of sets? Since I don't want to ASSUME (my caps) do
you mean hundreds of sets or hundreds of models? That would
be amazing because no mfg. listed in the book produced hundreds
of models. Even the biggies like Collins and Drake! Since you feel
the point of the book is "to educate folk" why not be accurate?

>And as for seeing sets at hamfests. If the book is only for US
>consumption, why bother mentioning any foreign sets at all.

Because foreign sets are occasionally seen here for sale, just like
U.S. sets are seen occasionally in foreign markets.
I never said the book was only for U.S. consumption. The author
lives in the U.S. and was written from that perspective.

I think you might want to dispose of the sour grapes and try to
appreciate the amount of time and effort that goes into producing
a book like this!

73.....Glenn Finerman N2BJG gfiner@nms.com

WANTED TO TRADE = Vintage McIntosh tube pre-amps
for Collins S-line.

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: billo@nti.net (Bill Wilson)
Subject: The more books, the better & Old tube factories
Message-ID: <19970206025600002.AAA227@LOCALNAME>

I have the new book by Osterman, I bought the first edition too, years
ago. The Moore book is another well worn book and has seen many a hamfest.
Other books that have any remote listing of BA's in them are good if simply
for reference; 1934 Official Shortwave Manual. Like Don Merz said the
Osterman book does not cover the radios from the thirties but there lies an
idea for another listing/book/database. IMHO the more books listing all the
critters we like the better. Every book printed will have errors of course
and some will leave out certain sets but my point is this; As the hobby
grows it is nice to see other books hit the shelves. I'll agree that there

are bones to be picked with content but overall I think things are going in the right direction.

How many old tube factories in your town?? Down in Oxford Al. about 15 miles from here there is a building that used to be a huge GE receiving tube factory. At it's peak it employed 2600 people. Back in the seventies strikes took their toll on the factory and GE pulled out. Today it is a Hinge factory. Every now and then I'll run into an ex-employee of the firebottle factory and the stories they have to tell are quite unique. Every other year that have "firebottle reunions" at the lake down there, ex-employees from all over gather to recall the days at the "tube factory".

Regards from Jacksonville, Al.

Bill
AC4LC

(Don't forget that the Dalton, GA. hamfest is the 22nd of this month, I'll be hauling a pretty good load, look for me in the red brick building, lots to choose from)

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: jproc@bellglobal.com
Subject: Re: The Stan treatment (long)
Message-ID: <Chameleon.4.01.2.970205224914.jproc@jproc.bellglobal.com>

>In my case the 'scope was left on a concrete porch in full sunlight

Morris,

I would be a little cautious with leaving CRT phosphors exposed to direct sunlight. At best, the CRT should face north if you are going to cook it in the sun. During my research, I found out that the RCN used red celluloid covers over CRT faces when it was anticipated that the phosphors would be exposed to strong interior lights or sunlights. Perhaps green phosphors are affected less than others.

Personally, I don't its necessary to take anything outside. Wet equipment will dry just fine by exposing it to a small table fan for several days. The moving air will get the job done. This will minimize thermal strain on the components.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto, Ontario

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: Dean Davidson <ddavidso@metz.une.edu.au>
Subject: Re: The Stan treatment (long)
Message-ID: <3.0.1.16.19970206154341.2a7f1dd2@metz.une.edu.au>

At 21:59 5/02/97 -0600, Jerry wrote:

>
>>In my case the 'scope was left on a concrete porch in full sunlight
>
>Morris,
>
>I would be a little cautious with leaving CRT phosphors exposed to direct
>sunlight. At best, the CRT should face north if you are goin to cook it in
>the sun.

Actually, Morris, David, myself and anyone else "Down Under" would be well advised to point the tube south!

>Personally, I don't its necessary to take anything outside. Wet equipment
>will dry just fine by exposing it to a small table fan for several days.
>The moving air will get the job done. This will minimize thermal strain on
>the components.

Of course, with the heatwave that Melbourne (Victoria) has been having, 5 minutes outside at the moment would be like 5 months in Canada at this time of the year! :-)

Dean

--

Dean Davidson Web Page: <http://www.une.edu.au/~psychology/deand.htm>
Dept Psychology Email: <mailto:ddavidso@metz.une.edu.au>
University of New England Phone: 61 67 73 2585
Armidale NSW 2351 Australia VK2 ZID

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Merv Schweigert <k9fd@htc.net>
Subject: Wanted keyer
Message-ID: <9702062301.AA02431@ns.htc.net>

Wanted: a Vibroplex single lever paddle, mainly needed for parts. The main part I need is the lever assembly, anyone have one for sale or possible swap? Thanks 73 Merv K9FD

From boatanchors@theporch.com Thu Feb 6 09:01:03 1997
From: arc5@ix.netcom.com (David Stinson)
Subject: WANTED: JUNKER BC-1206
Message-ID: <199702061318.HAA19530@dfw-ix8.ix.netcom.com>

receiver. Anyone got?

73 DE Dave AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: "Allan Fritsche" <fritsche@msn.com>
Subject: What the Heck is "00"
Message-ID: <UPMAIL03.199702070118020072@msn.com>

Hey gang, I would like to know what 00 means, out of band, out of operational rules, etc.. Remember there are many non-hams on this list and some of our overseas friends might not know the term either.

An example of using terms unknown to most on the list.

I work as a operations supervisor for AT&T.
Telephone call today from my engineering group from Atlanta.
Well Al, Did we ever get the ISSAIC system up and working, and did it help with the ASR feature, also your techs will have to install the router for the CDSU in the CDRP, plus did they test the connection to the MPC-15 for the IO channels for the 4Es and the LightGuide terminals on the new SONET rings, etc,etc ad nausea.

Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997

From: okasb@rex.mtv.gtegsc.com (Bob Okas)
Subject: Re: What the Heck is "00"
Message-ID: <9702070159.AA03853@rex.mtv.gtegsc.com>

Al,

"00" stands for Official Observer. Someone who is enlisted from amateur ranks to scan the bands and look for trouble. They were the first line of defense against the infamous "pink slips" the FCC used to hand out.

Bob - W3CD

From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: w4bld@juno.com (Robert B. Kerby)
Subject: WTB: Morrow
Message-ID: <19970206.101113.5063.1.W4BLD@juno.com>

Ladies and Gentlemen - I am still searching for anything made by Morrow. If you have any of this equipment and wish to give it a new home, please contact me. Many Thanks, Bob

Robert B. Kerby -I collect Gonset, Elmac, Lysco, and Morrow-
Post Office Box 991 (UPS ADDRESS: 231 Rosser Avenue)
Waynesboro, VA 22980 (540) 942-4356 w4bld@juno.com

From boatanchors@theporch.com Thu Feb 6 20:58:43 1997
From: Hans Jense <jense@eos.arc.nasa.gov>
Subject: WTD: Hammarlund SP-210 bits and pieces
Message-ID: <199702062305.PAA18461@eos.arc.nasa.gov>

Greetings BA'ers,

Last Friday the restoration of my BC-779B (military Hammarlund SP-210LX) reached a milestone when I fires it up for the first time since acquiring it.... and it lives! Only tried it out with a 7ft piece of hookup wire for antenna, no ground, but I was able to listen to Radio Nederland Wereldomroep arounds 6.2 MHz. I have to admit I almost presented a military salute when they closed transmission by playing our national anthem!

Anyway, yesterday another piece of metal (top dust cover) arrived courtesy of Bob Fowle, and there now remain only a few more items to complete the restoration:

- a bottom cover
- the two large knobs for the main tuning and band spread controls
- photographs of the military nomenclature tags for both the receiver and the rack mount power supply. If some BC-779 owner would take the trouble to take two clear pictures of these, I can reproduce my own by photo-etching or some other yet to be determined process.

Any help will be greatly appreciated.

-- Hans

```
=====
Dr. G. J. Jense      | Command & Control and Simulation Division
Senior Scientist     | TNO Physics and Electronics Laboratory
Virtual Environments | The Hague, The Netherlands
=====
```

Currently on leave at:



Human and Systems Technology Branch
 NASA Ames Research Center
 Code AFH, Mail Stop 262-2
 Moffett Field, CA 94035-1000

Phone: (415) 604-1877
 Fax: (415) 604-3729
 Email: jense@eos.arc.nasa.gov

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=====
From boatanchors@theporch.com Thu Feb 6 15:22:32 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: ]H & R surplus, MPJA phone numbers addresses
Message-ID: <32F9E530.7F2A@GHG.net>
```

Hiya Tube Dudes:

Addresses/phone numbers I promised yesterday:

H&R Company (Herbach and Rademan)
 18 Canal Street
 PO BOX 122
 Bristol, PA 19007-0122
 orders only: (order a catalog?) 1-800-848-8001

Marlin P. Jones and Associates (MPJA)
PO BOX 12685
Lake Park, FL 33403-0685
1-800-652-6733

Enjoy, both are good catalogs. Personally, I think MPJA has better prices, but YMMV.

73,
Ben

--

From the computer of | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHG.net (home) -or- | involving Earth, Air, Water, and
Benjamin.D.Hall1@JSC.NASA.gov | Fire.

PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above. My old address,
BDHALL@GHGCorp.com, will still work for a period of time however.